

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\  
 Data File : VD061704.D  
 Acq On : 10 Apr 2019 7:08  
 Operator : VA/AP  
 Sample : K2198-01  
 Misc : 7.05g/5ml/MSVOA D/SOIL  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OK-01-040819

Quant Time: Apr 10 07:44:17 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D040619S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 08 10:04:03 2019  
 Response via : Initial Calibration

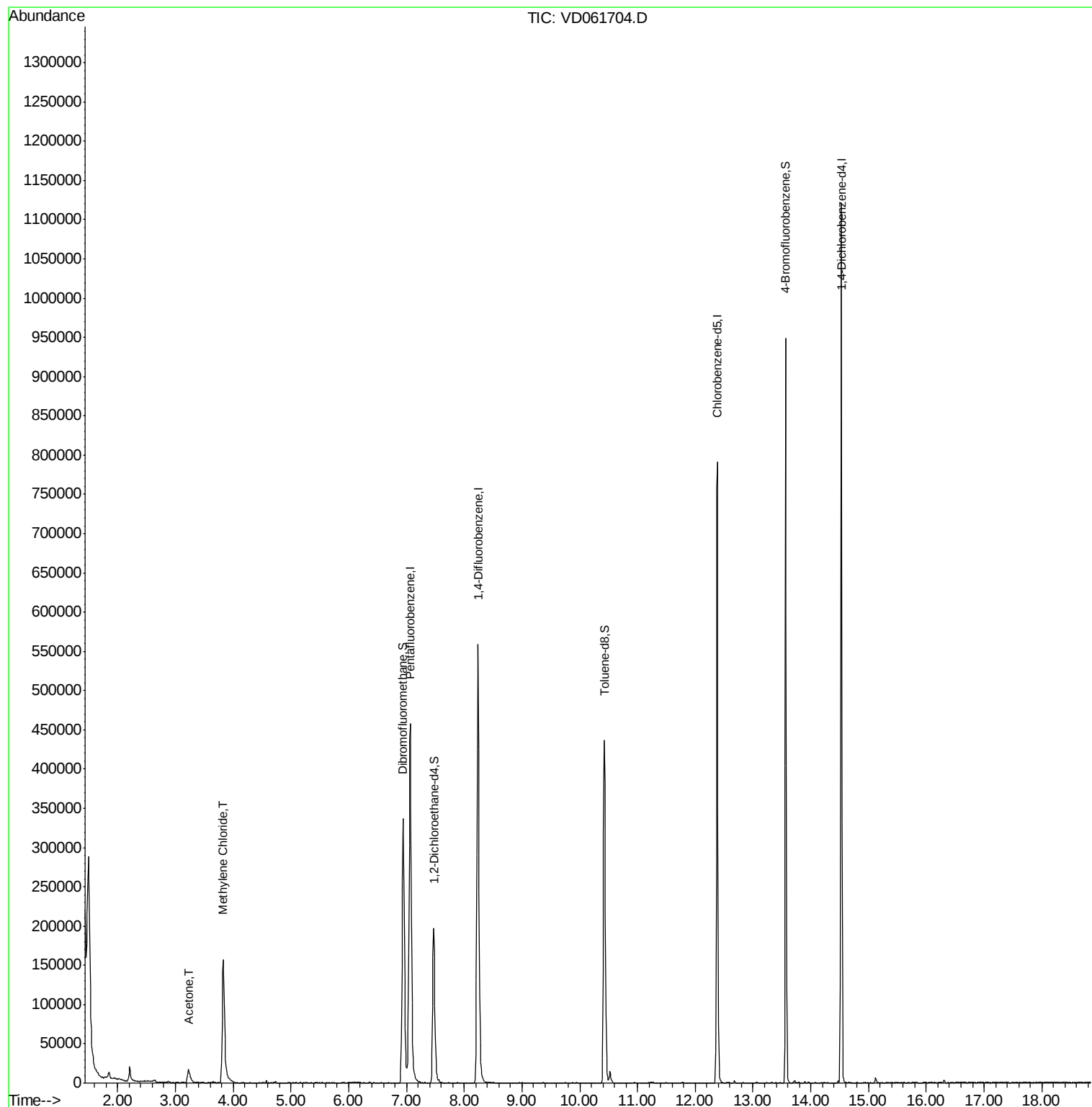
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.07  | 168  | 478661   | 50.00  | ug/l    | 0.03     |
| 34) 1,4-Difluorobenzene     | 8.24  | 114  | 695738   | 50.00  | ug/l    | 0.03     |
| 63) Chlorobenzene-d5        | 12.38 | 117  | 517251   | 50.00  | ug/l    | 0.02     |
| 72) 1,4-Dichlorobenzene-d4  | 14.53 | 152  | 263987   | 50.00  | ug/l    | 0.01     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.47  | 65   | 195134   | 53.78  | ug/l    | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.56% |          |
| 35) Dibromofluoromethane    | 6.94  | 113  | 325635   | 67.56  | ug/l    | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 135.12% |          |
| 50) Toluene-d8              | 10.42 | 98   | 391523   | 32.33  | ug/l    | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 64.66%  |          |
| 62) 4-Bromofluorobenzene    | 13.56 | 95   | 282701   | 73.35  | ug/l    | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 146.70% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.23  | 43   | 36006    | 33.198 | ug/l    | 98       |
| 20) Methylene Chloride      | 3.83  | 84   | 124470   | 20.224 | ug/l    | 98       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 08 10:04:03 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.03 min

Lab File: VD061704.D

Acq: 10 Apr 2019 7:08

Instrument :

MSVOA\_D

ClientSampleId :

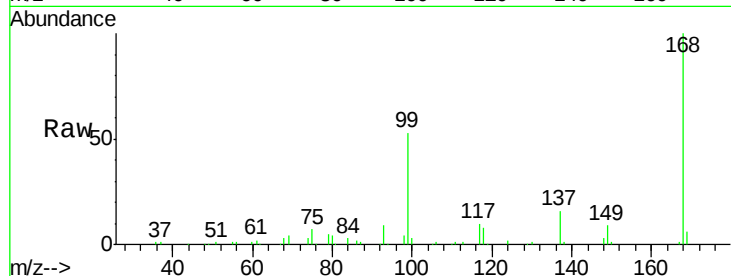
OK-01-040819

Tot Ion:168 Resp: 478661

Ion Ratio Lower Upper

168 100

99 53.3 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

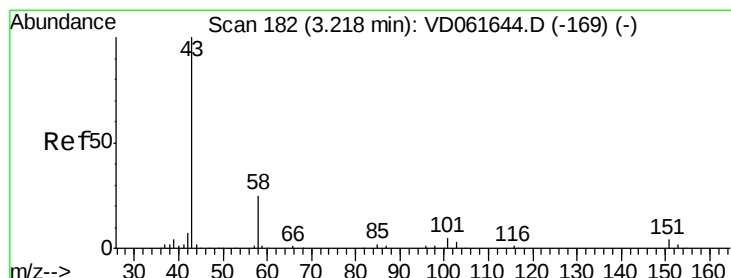
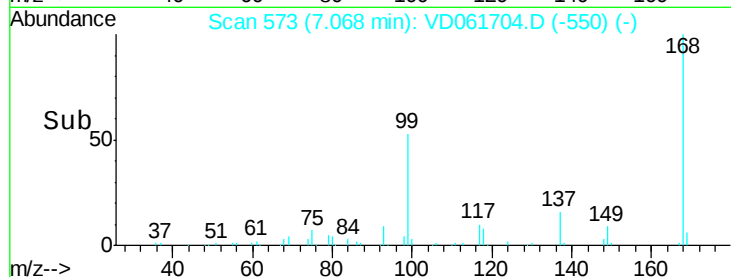
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 33.198 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD061704.D

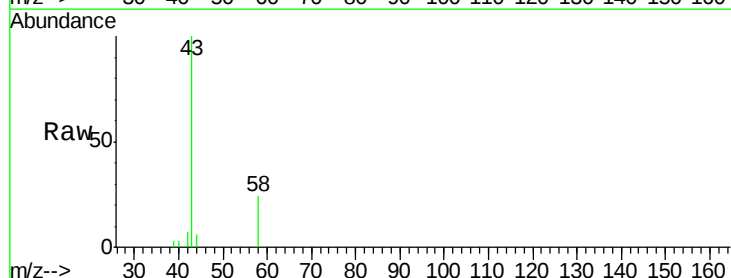
Acq: 10 Apr 2019 7:08

Tgt Ion: 43 Resp: 36006

Ion Ratio Lower Upper

43 100

58 23.8 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

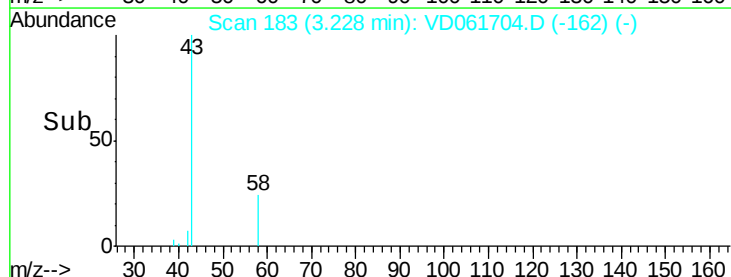
15000

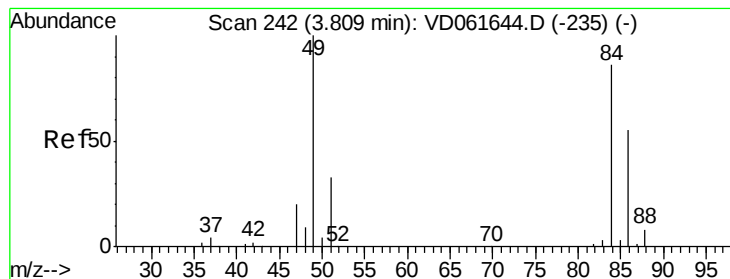
10000

5000

0

Time--> 3.10 3.20 3.30 3.40





#20

Methylene Chloride

Concen: 20.224 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD061704.D

Acq: 10 Apr 2019 7:08

Instrument :

MSVOA\_D

ClientSampleId :

OK-01-040819

Tot Ion: 84 Resp: 124470

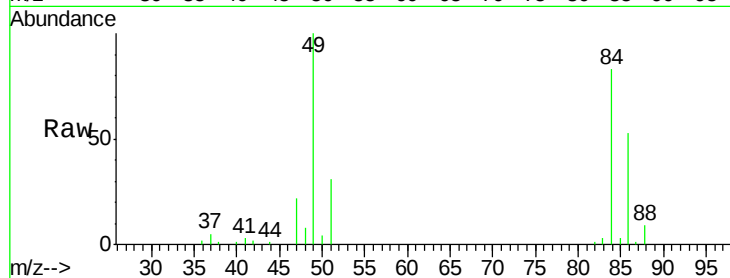
Ion Ratio Lower Upper

84 100

49 120.4 93.0 139.4

51 37.0 30.4 45.6

86 63.9 51.0 76.4

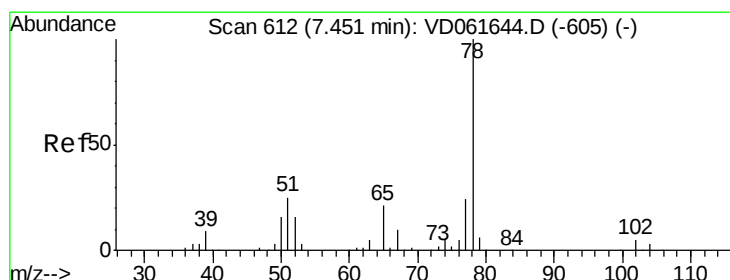
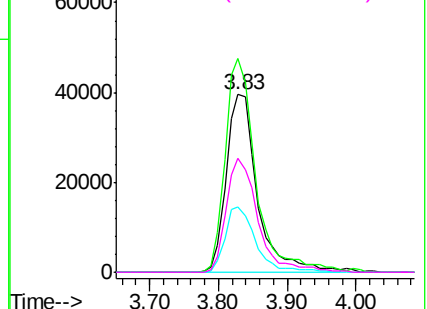
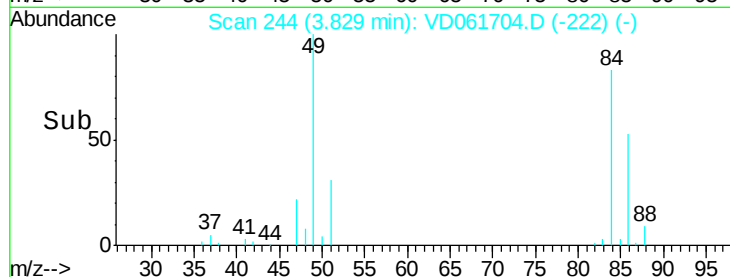


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD061704.D

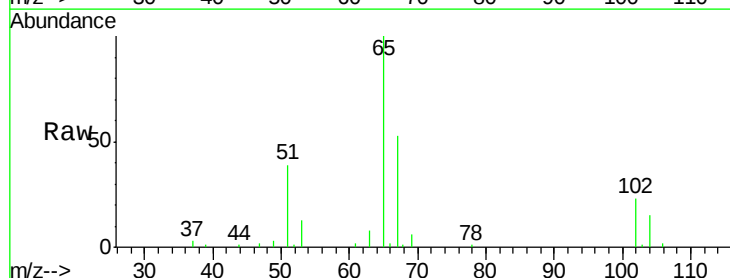
Acq: 10 Apr 2019 7:08

Tgt Ion: 65 Resp: 195134

Ion Ratio Lower Upper

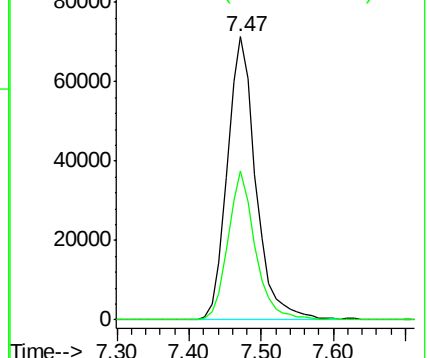
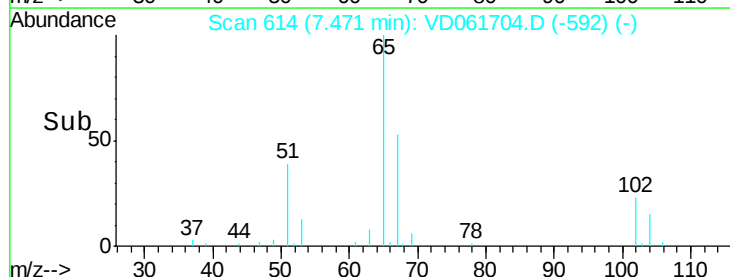
65 100

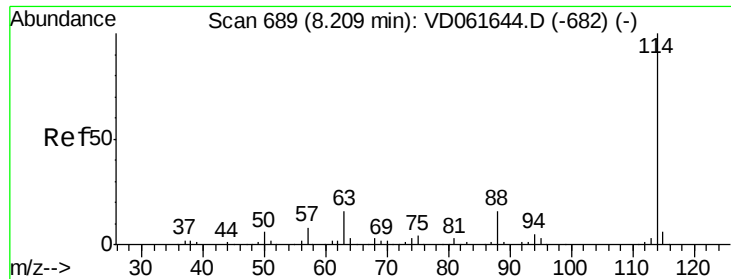
67 52.7 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.03 min

Lab File: VD061704.D

Acq: 10 Apr 2019 7:08

Instrument :

MSVOA\_D

ClientSampleId :

OK-01-040819

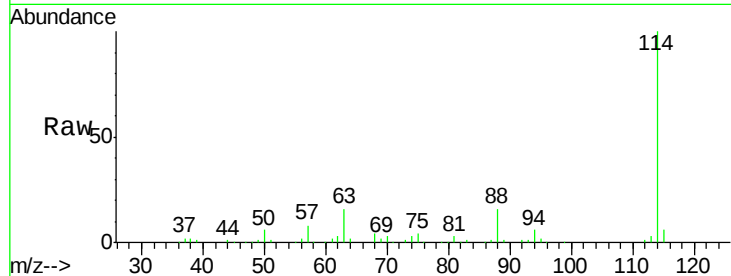
Tot Ion:114 Resp: 695738

Ion Ratio Lower Upper

114 100

63 16.3 0.0 31.2

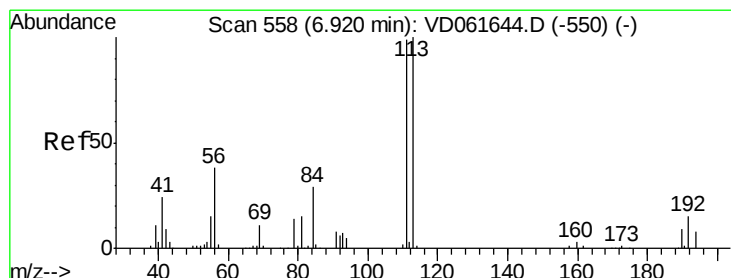
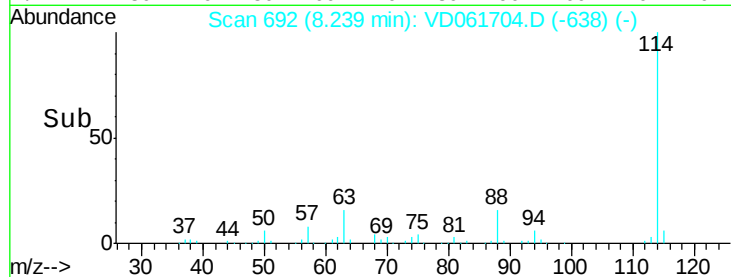
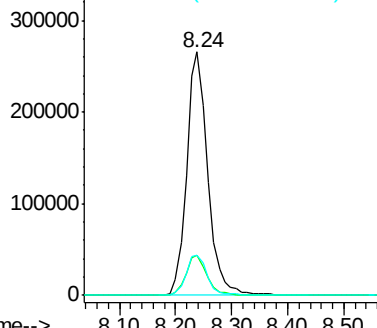
88 16.4 0.0 31.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD061704.D

Acq: 10 Apr 2019 7:08

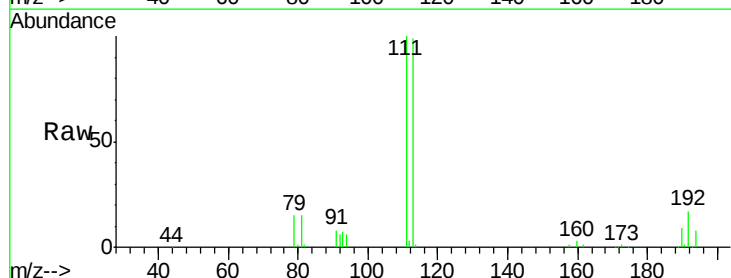
Tgt Ion:113 Resp: 325635

Ion Ratio Lower Upper

113 100

111 100.7 79.3 118.9

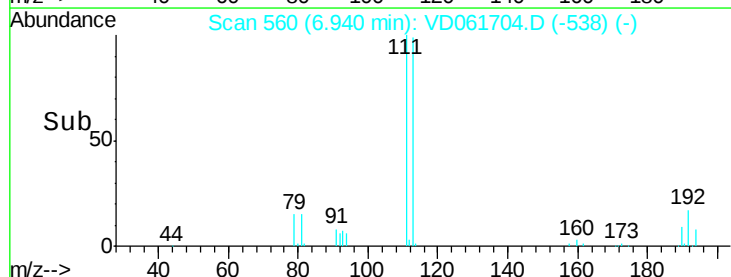
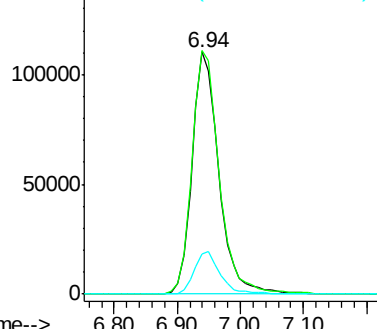
192 16.6 12.3 18.5

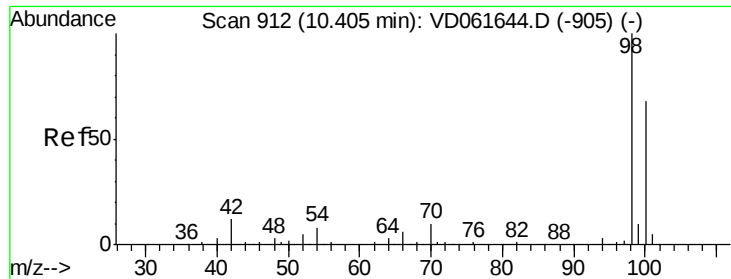


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD061704.D

Acq: 10 Apr 2019 7:08

Instrument :

MSVOA\_D

ClientSampleId :

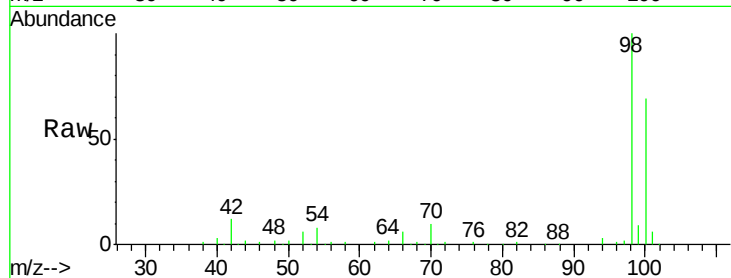
OK-01-040819

Tot Ion: 98 Resp: 391523

Ion Ratio Lower Upper

98 100

100 68.9 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VD061644.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD061644.D (-905) (-)

10.42

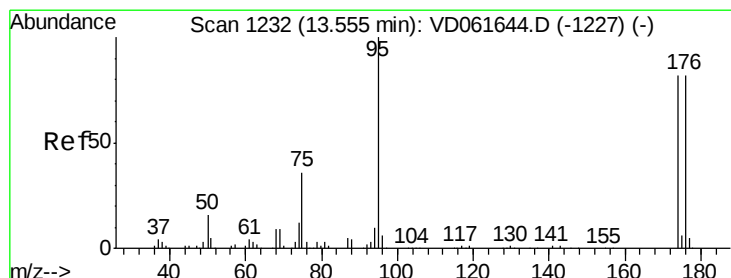
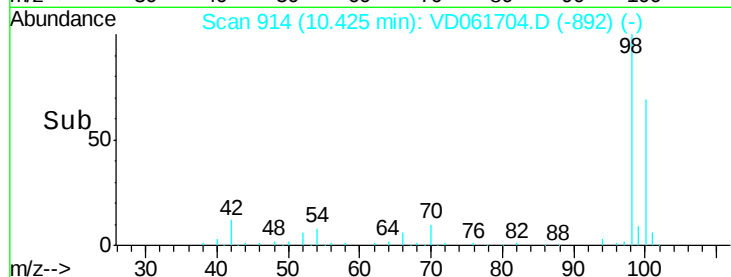
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061704.D

Acq: 10 Apr 2019 7:08

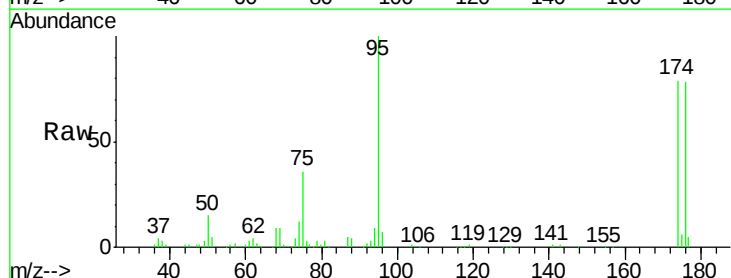
Tgt Ion: 95 Resp: 282701

Ion Ratio Lower Upper

95 100

174 79.3 0.0 164.6

176 78.2 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): VD061644.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD061644.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD061644.D (-1227) (-)

13.56

250000

200000

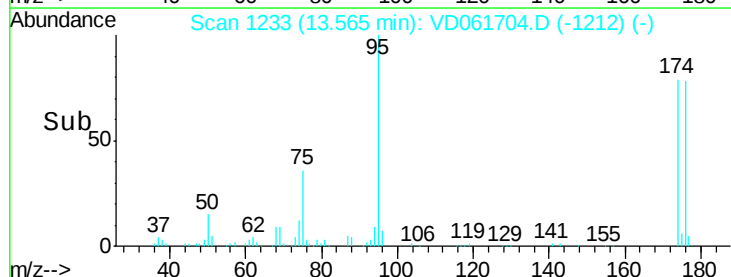
150000

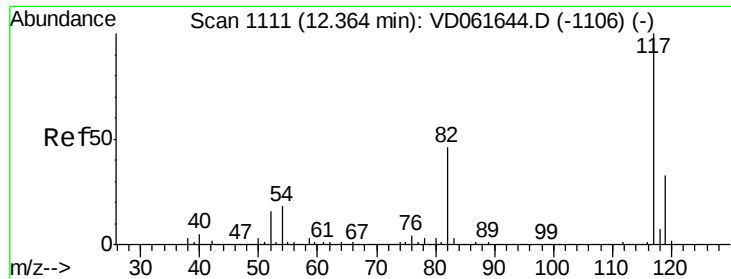
100000

50000

0

Time-->

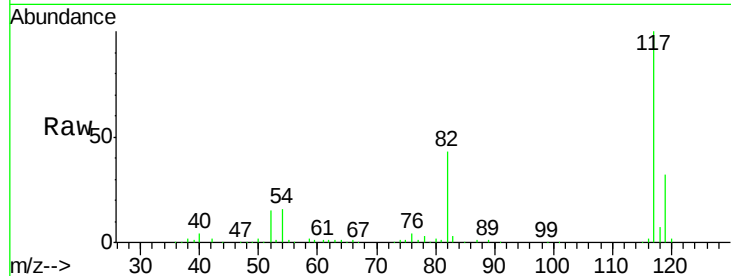




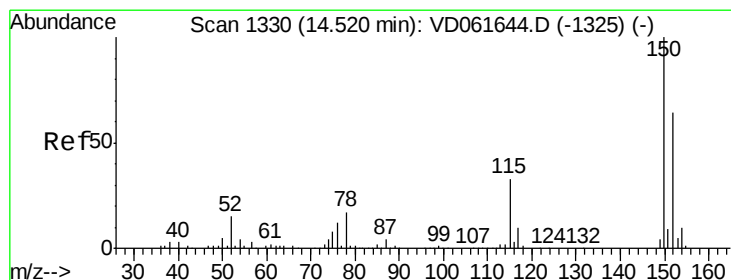
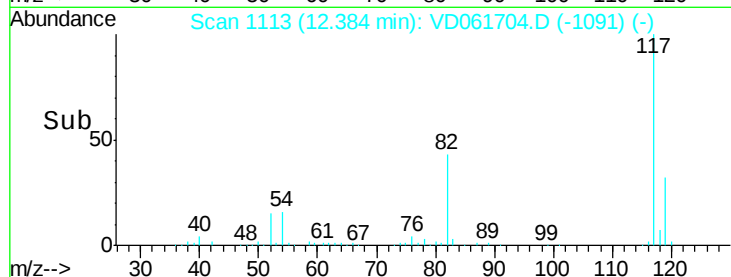
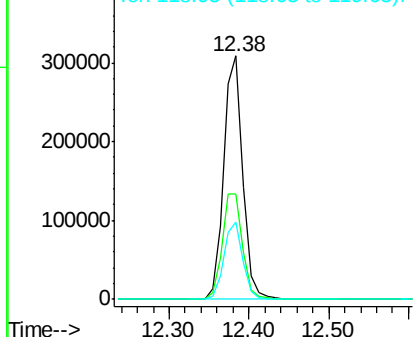
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.38 min Scan# 1113  
Delta R.T. 0.02 min  
Lab File: VD061704.D  
Acq: 10 Apr 2019 7:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
OK-01-040819

Tot Ion:117 Resp: 517251  
Ion Ratio Lower Upper  
117 100  
82 43.0 36.8 55.2  
119 31.7 26.1 39.1

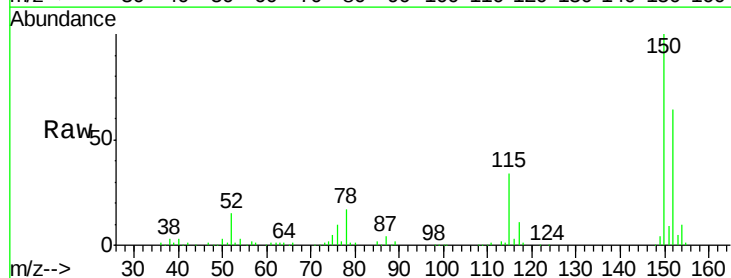


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.53 min Scan# 1331  
Delta R.T. 0.01 min  
Lab File: VD061704.D  
Acq: 10 Apr 2019 7:08

Tgt Ion:152 Resp: 263987  
Ion Ratio Lower Upper  
152 100  
115 52.8 26.4 79.2  
150 155.9 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 149.90 (149.60 to 150.60): V

